

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on line 9 of page 4 as follows:

In order to lock the two knuckles relative to one other, the knuckles preferably each have flat faces which are brought into mating contact with one another when the spline connection between the knuckles is locked. In order to achieve this lock, the hole in which the spline is formed on ~~one of~~ the complementary knuckles will be made at a slight angle, preferably around 1 degree, to perpendicular of the mating faces. In that way, when the knuckles are assembled by the pin there will be a slight angle between the mating surfaces. The far end of the pin has a threaded central hole and a bolt may be inserted into the hole to force the splines outwardly and lock the knuckles in their selected positional relationship. This locking force pushes the two flat mating faces of the complementary knuckle sections into contact with one another and forces the splines on the pin to preload removing any slack in the joint resulting from manufacturing tolerances.

Please amend the paragraph beginning on line 13 of page 7 as follows:

The spline 34 is formed in a unitary manner, or alternatively securely joined, with an end section [[40]] of the knuckle 36a which has a central splined internal hole with its axis extending generally normally, or at a slight angle to the normal, to the axis of the splined section 34.

Please amend the paragraph beginning on line 17 of page 7 as follows:

A complementary knuckle 36b is adjustably supported in the end cap 26 at the end of the tube [[14]] 16 and the two units [[40]] are secured together by a splined pin 42 which passes through splined holes in both of the members [[40]] 36a and 36b. This mechanism provides a

second axis of adjustment and the rotational position of the member ~~[[40]]~~ 36b within the end cap 26 of the tube ~~[[14]]~~ 16 provides a third axis of adjustment.

Please amend the paragraph beginning on line 1 of page 8 as follows:

In a preferred embodiment of the invention the splined pin has a central threaded hole. A screw 44 passing through a washer 46 may be inserted into the central hole of the pin 42 to axially spread the pin and lock the exterior splines of the pin 42 to the interior splines in the two members ~~[[40]]~~ 36a and 36b.

Please amend the paragraph beginning on line 15 of page 8 as follows:

The knuckle section 36a has a central splined hole 37a which is of slightly larger diameter than a similar splined hole 37b formed in the knuckle section 36b. The pin 42 has a head ~~[[44]]~~ 43 and a splined cylinder 46 of relatively large diameter arranged immediately adjacent to the head. Beyond the section 46 a smaller diameter section 48 projects. Pin section 48 has a central threaded hole adapted to receive a threaded bolt 50 for locking purposes. The section 46 has a spline count of thirty as does the larger hole 37a in the knuckle 36a. The smaller diameter section 48 has a spline count of nineteen as does the internal spline formed in the section 37b of the knuckle 36b.

Please amend the paragraph beginning on line 9 of page 9 as follows:

The splined hole 29a in the end cap 26a is preferably formed at a one-half degree angle ~~[[to]]~~ from perpendicular of the center line of the upper face of the end cap as is the hole 29b in the end cap 26b. Similarly, the two splined holes 37a and 37b on the two knuckle sections are

each offset by a half degree with respect to the center line. The joint is locked together by screwing the bolt 50 into the tapped end of the pin 42. This forces the two flat faces 41a and 41b of the two knuckle sections into locking engagement and loads the pin to lock the entire universal joint in fixed position.